



FEMA



Prepared by
Rob Megnia

FEMA Region 6 Weather Threat Briefing

Friday, May 10, 2019

Disclaimer: The purpose of this briefing is to provide a **Regional** weather threat assessment and is meant as a general overview. County/Parish decision makers should consult their local NWS forecast offices for the latest detailed, local weather information. To find your local NWS forecast office, go to www.weather.gov/srh.

Summary of the Upcoming Week



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Today and Saturday

- **Heavy rainfall/flash flooding expected over SE TX and SW LA; possible in NM, Central and N TX, most of LA and S AR.**
- **Isolated strong to severe thunderstorms possible over SE TX/SW LA.**

Sunday – Tuesday

- **Isolated heavy rainfall/flash flooding possible in NM, SW TX, SE LA.**

Major River Flooding or Known Evacuations

- **Major flooding continues on the MS River at Baton Rouge, LA, and Osceola (AR) is forecast to approach major flood stage by Saturday.**
- **The Trinity River at Liberty is at major flood stage and is forecast to rise through the weekend.**

FEMA Region 6 Threat Matrix

May 10, 2019 – May 14, 2019



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DAY / THREAT	FRI	SAT	SUN	MON	TUE
Severe Storms	TX, LA	TX, LA	LA		
Heavy Rain / Flash Flooding	TX, LA	TX, LA	LA, TX, NM	NM/TX	NM/TX
Winter Weather					
Fire Weather					
River Flooding	OK, TX, LA	OK, TX, LA	OK, TX, LA	OK, TX, LA	OK, TX, LA
	AR	AR	AR	AR	AR

	No Weather Threats Expected
	Very Common – Happens Often
	Common – Happens Frequently
	Uncommon – A Few Times a Year
	Rare – Once Every 1-5 Years
	Very Rare – Once Every 5-10 Years

Threat levels are based on FEMA Region 6 criteria. State or local threat level criteria may differ.

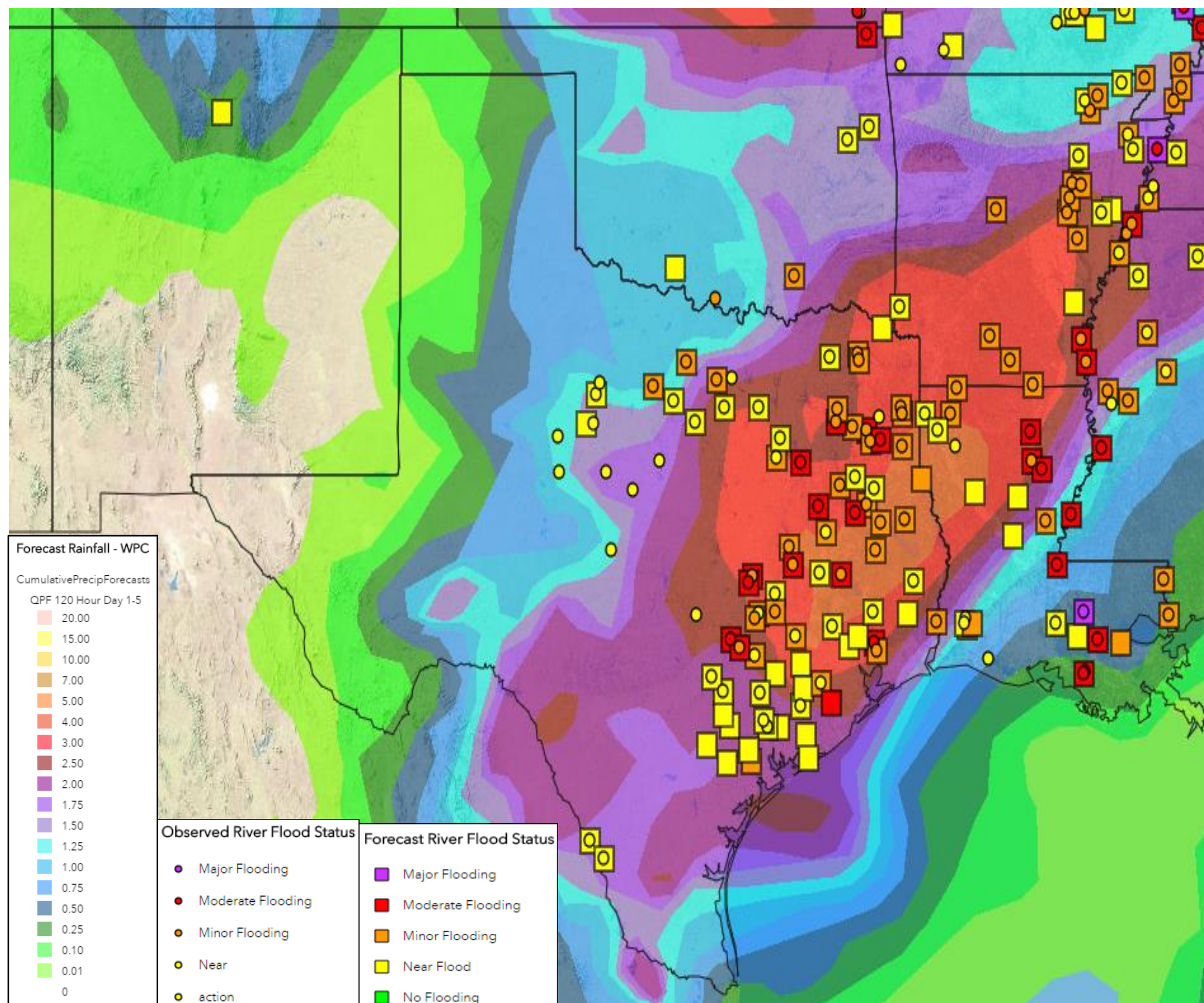
For more details on the colors in the threat matrix refer to the last slide in this briefing.

5-Day Precipitation Forecast & River Flood Status



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Note: Even though the image displays 5 days of forecasted rainfall, river forecasts only include 1-2 days of rainfall



Points along the MS River in AR and LA remain at moderate flood stage, with the point near Baton Rouge, LA remaining in major flood stage. Osceola (AR) is forecast to approach major flood stage by Saturday. Impacts are primarily to secondary roads, agriculture, and navigation. The city of Baton Rouge is protected by levees. A few homesteads may be impacted later this week near Osceola.

Minor to moderate river flooding is occurring across E TX, AR, OK, and LA. Impacts remain limited to agricultural interests and lowlands. Trinity River at Liberty has reached major flood stage. Impacts to residences are possible.

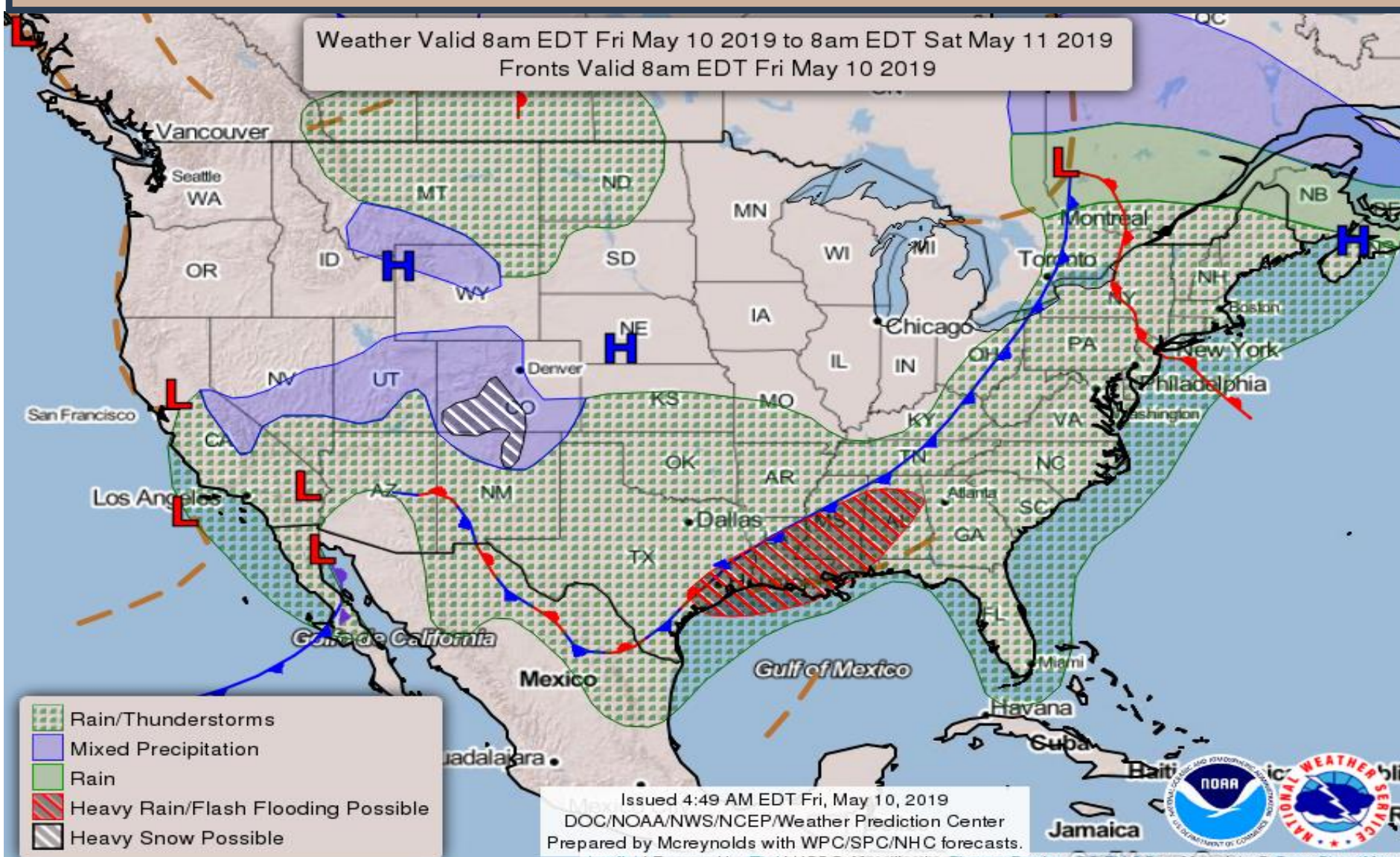
Rainfall over the next few days will prolong ongoing flooding and lead to additional moderate and isolated major flooding across E TX, LA, OK and AR.

Today's Weather

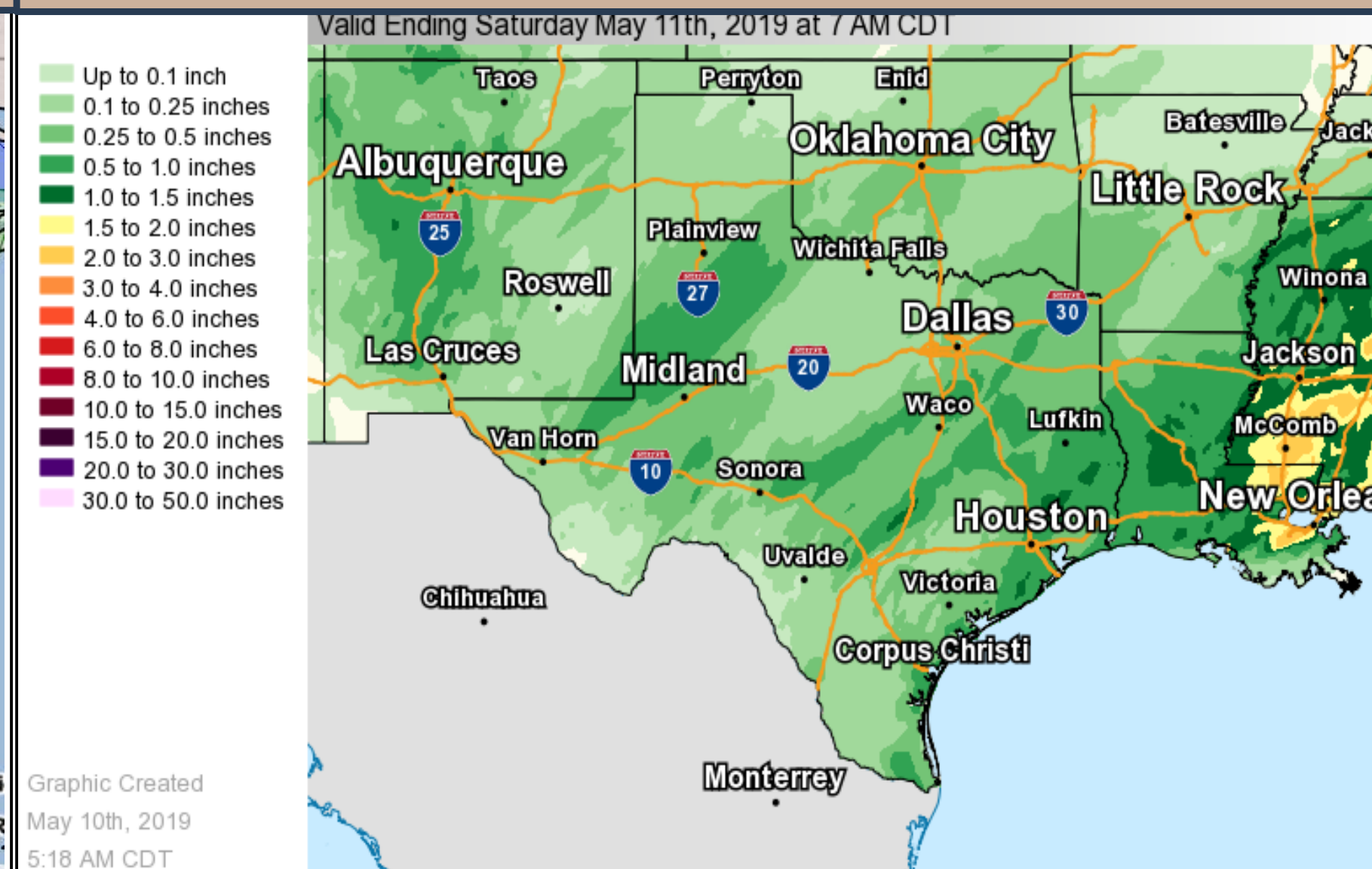


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Forecast Chart



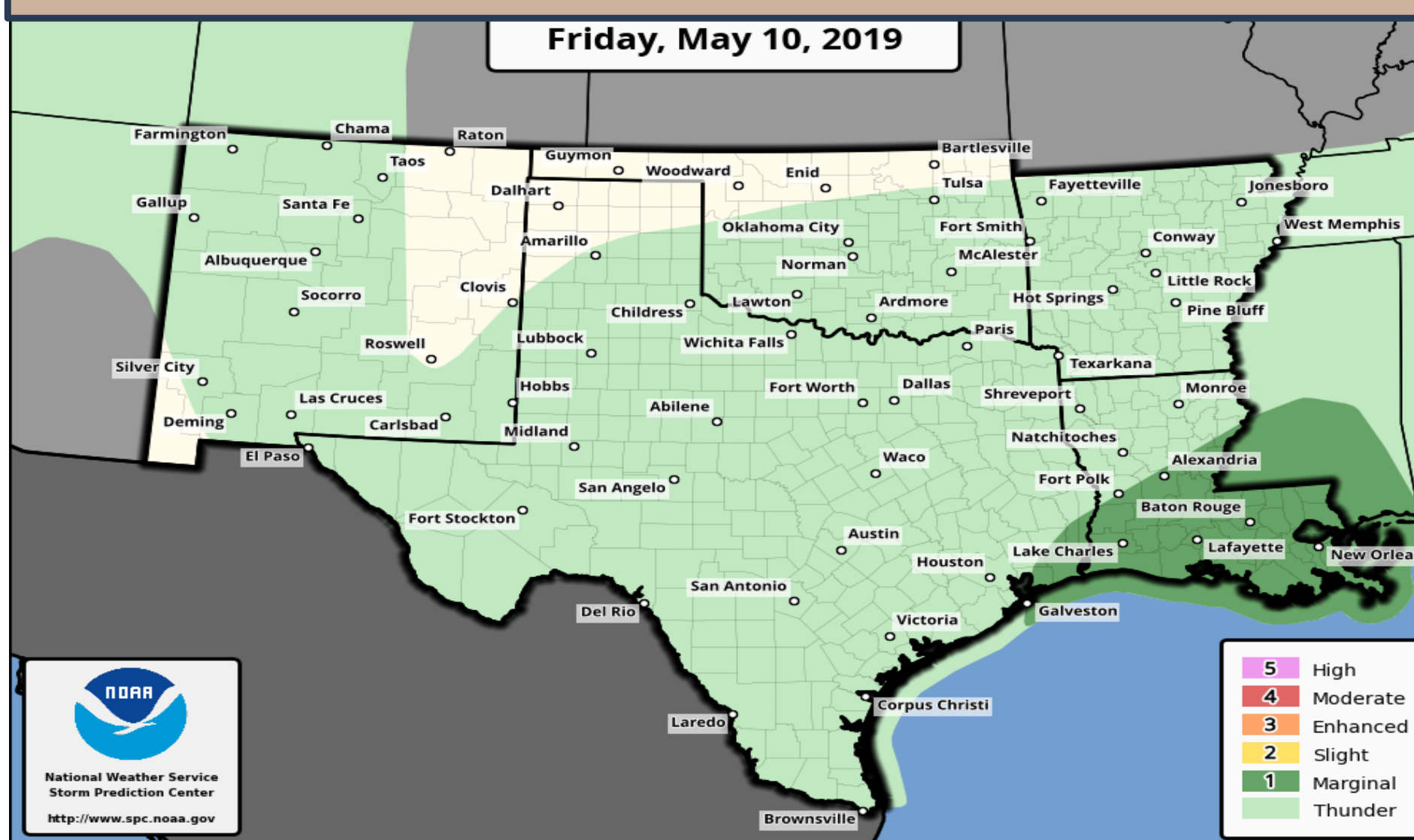
Forecast Rainfall



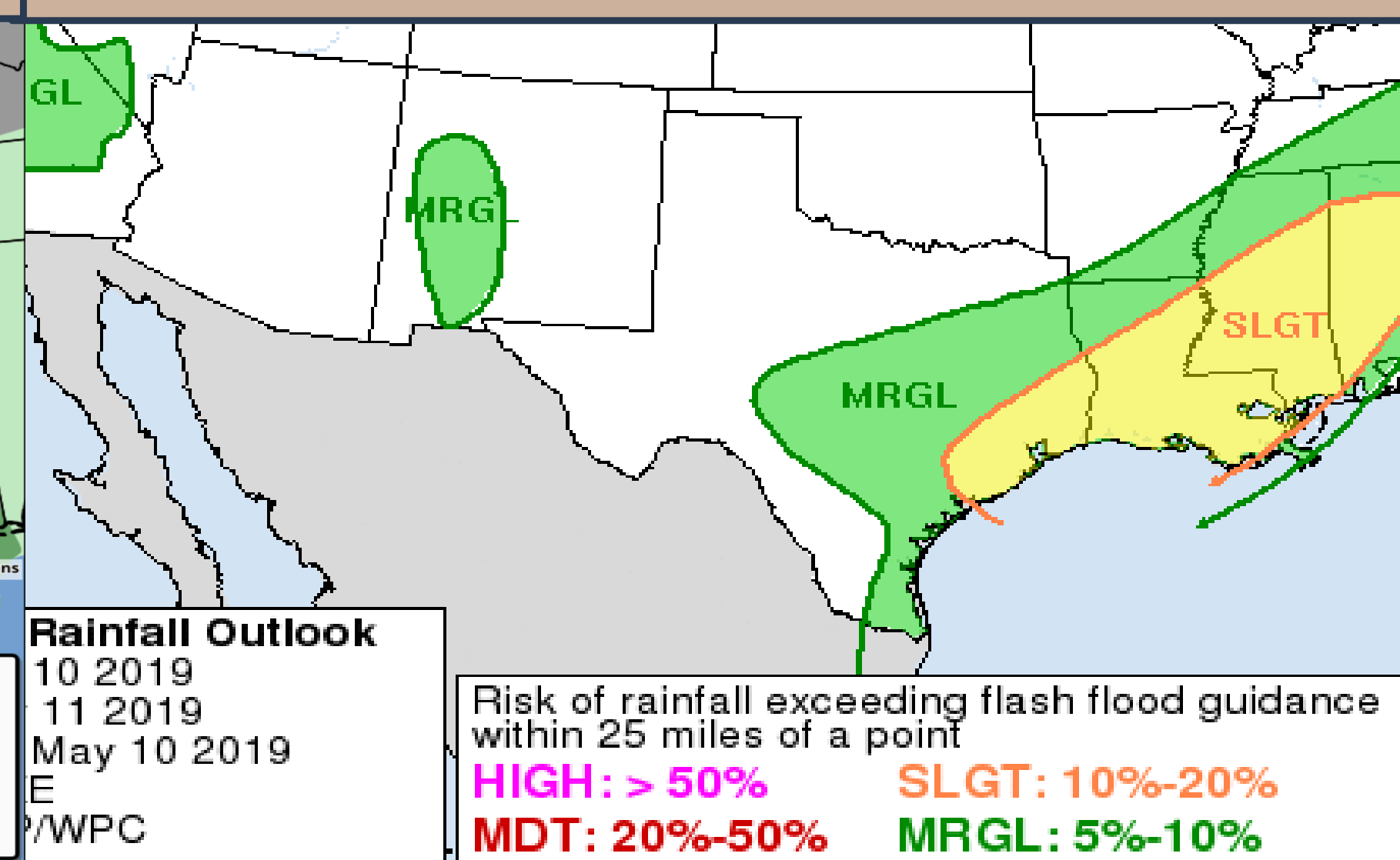
**Heavy rainfall/flash flooding
expected across SE TX & SW
LA.**

**A few strong to severe storms
possible over SE TX and
portions of LA; wind gusts and
hail are the main threats.**

Severe Weather Outlook



Excessive Rainfall Outlook



Watches, Warnings, and Advisories



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Fire Weather



Graphic Created

Severe Weather & Flooding



Graphic Created

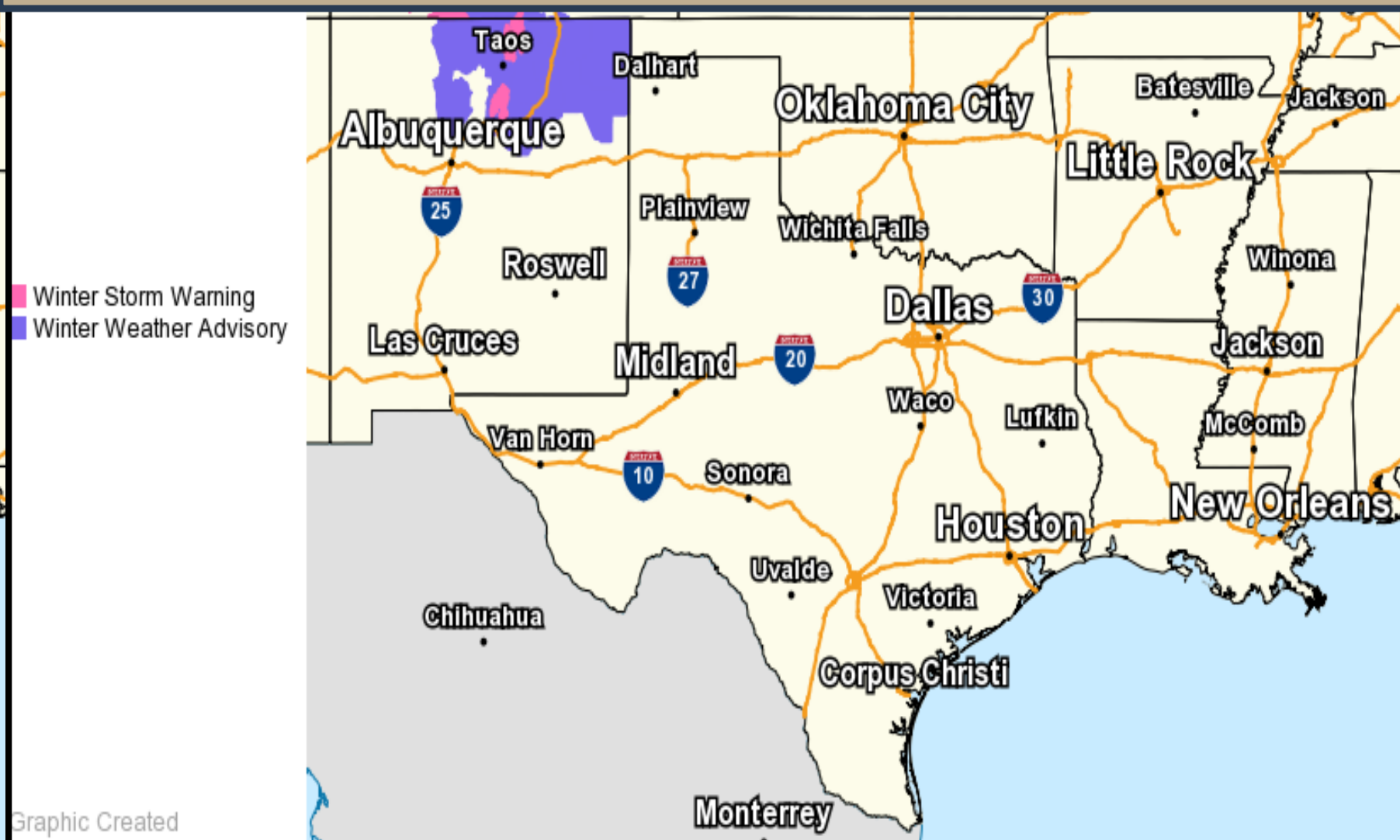
**Flash flood watches in effect
for TX, LA and S AR.**

Strong & Gusty Winds



Graphic Created

Winter Weather



Graphic Created

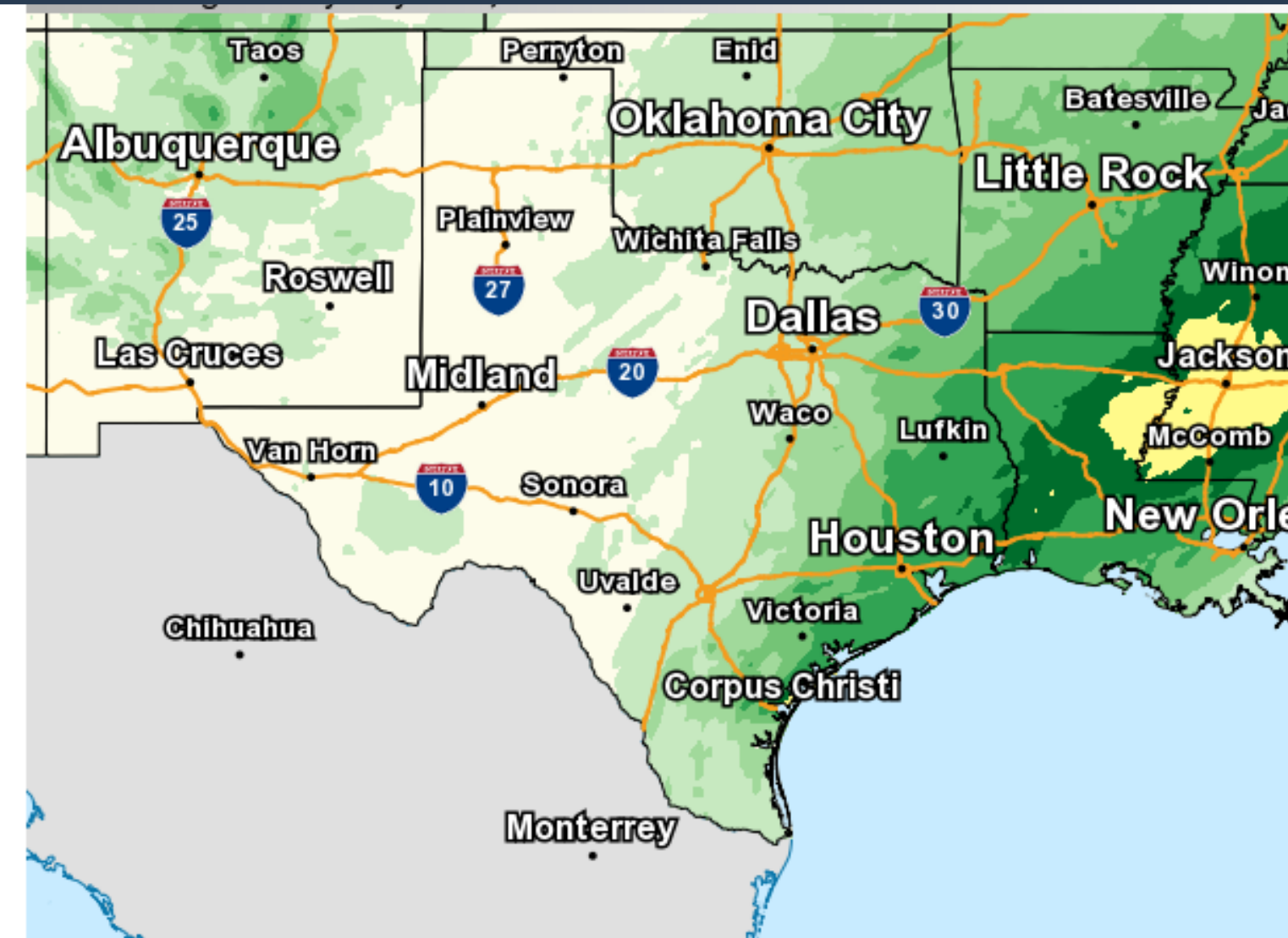
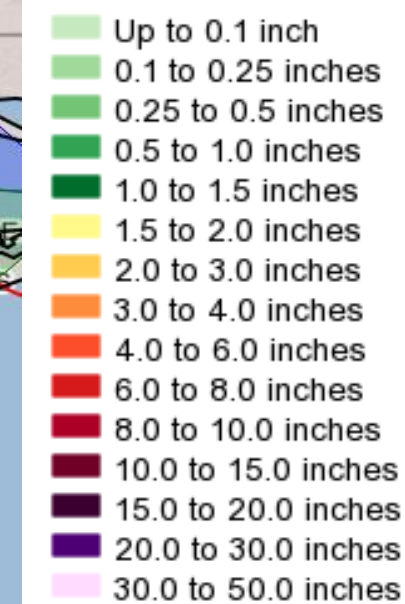
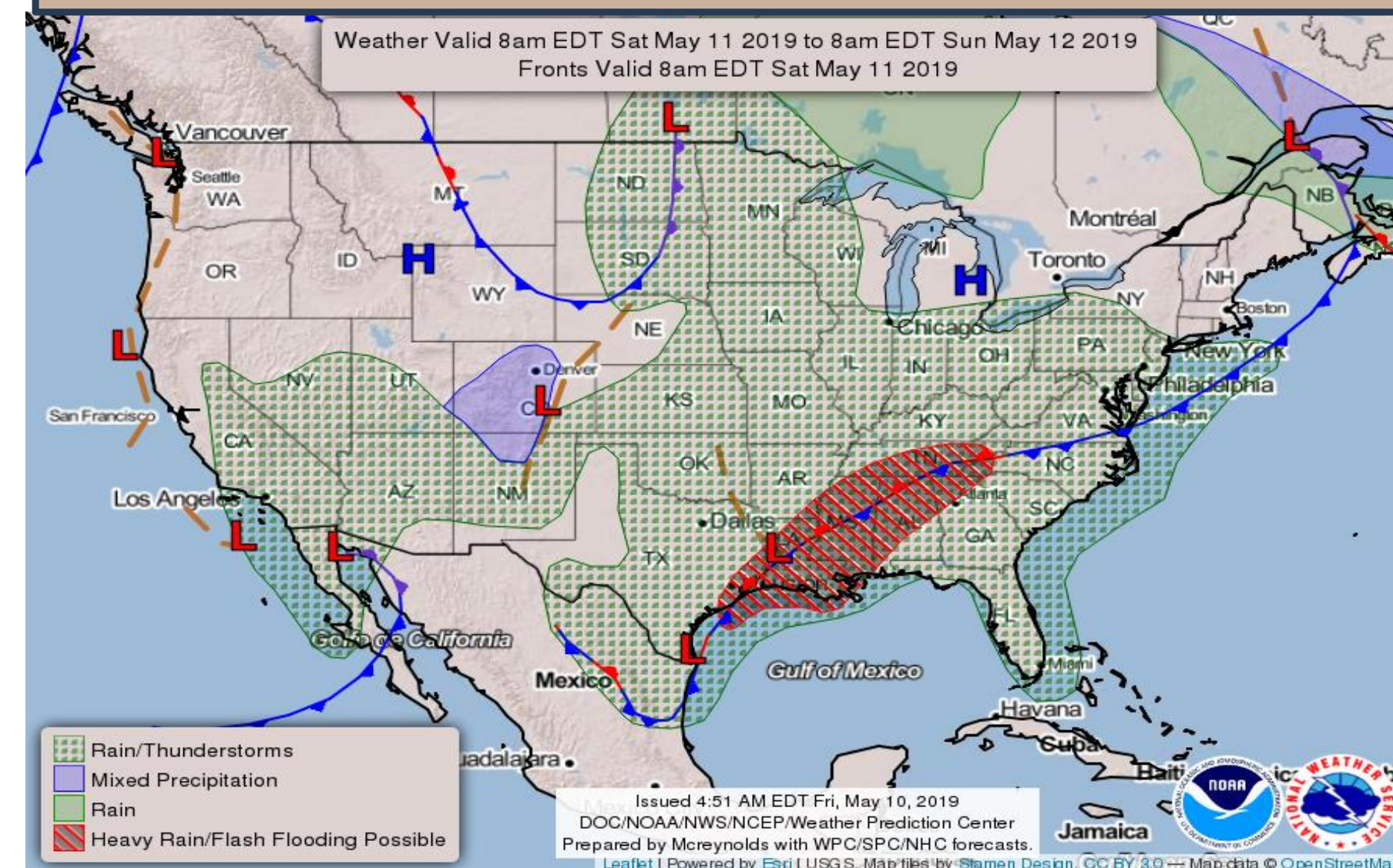
Tomorrow's Weather



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Forecast Chart

Forecast Rainfall



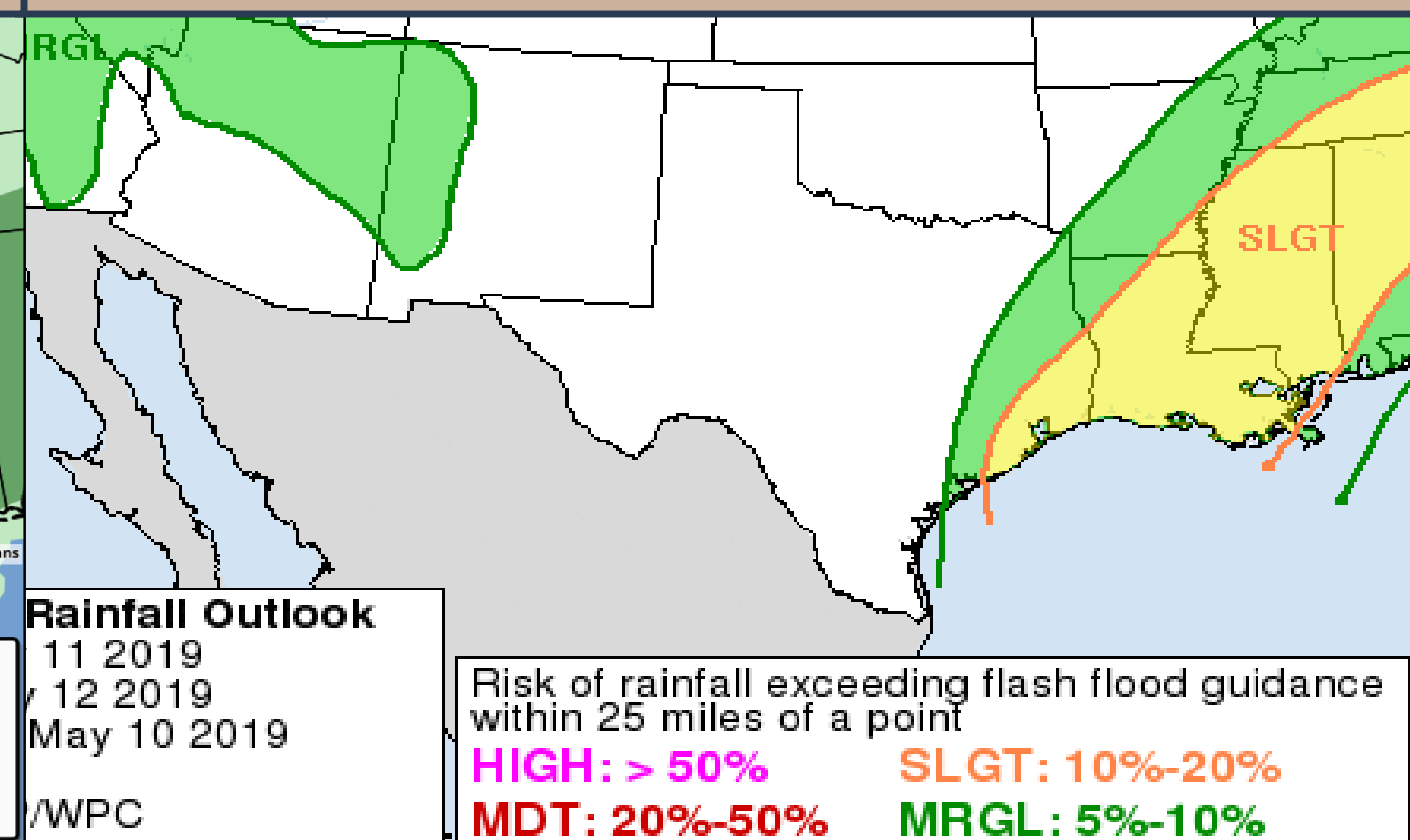
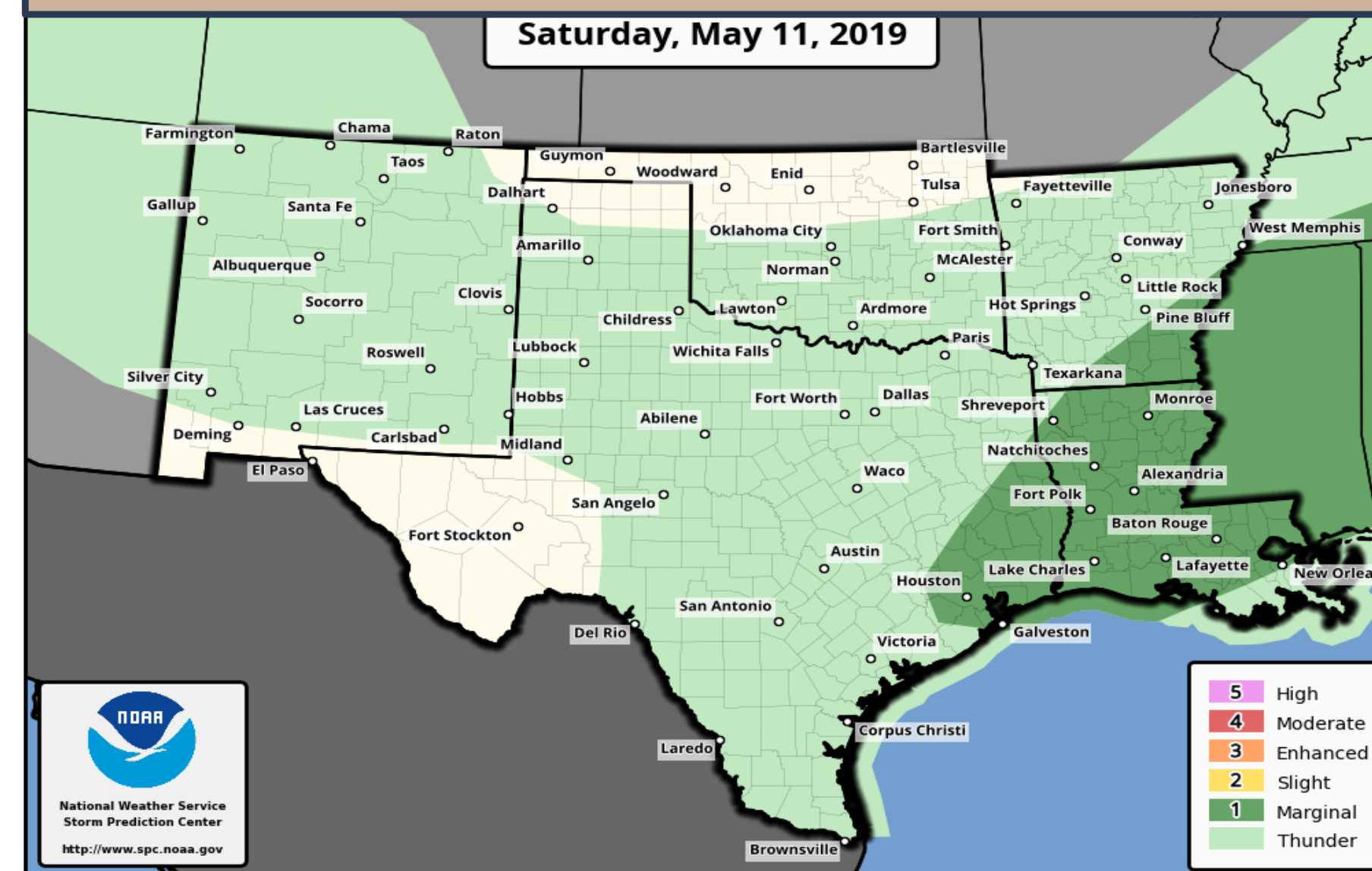
Graphic Created
May 10th, 2019
5:19 AM CDT

Heavy rainfall/flash flooding expected to continue over SE TX and into portions of LA.

A few strong to severe storms possible over SE TX, SE AR and LA; wind gusts are the main threats.

Severe Weather Outlook

Excessive Rainfall Outlook



Sunday's Weather



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Forecast Chart

Forecast Rainfall

Some lingering rain over LA on Sunday, but widespread flooding not expected. Isolated heavy rain/flash flooding possible in NM/SW TX.

Isolated strong to severe thunderstorms possible in SE LA. Damaging winds primary hazard.

Severe Weather Outlook

Excessive Rainfall Outlook

Sunday, May 12, 2019

Rainfall Outlook
May 12 2019
May 13 2019
May 10 2019

Risk of rainfall exceeding flash flood guidance within 25 miles of a point

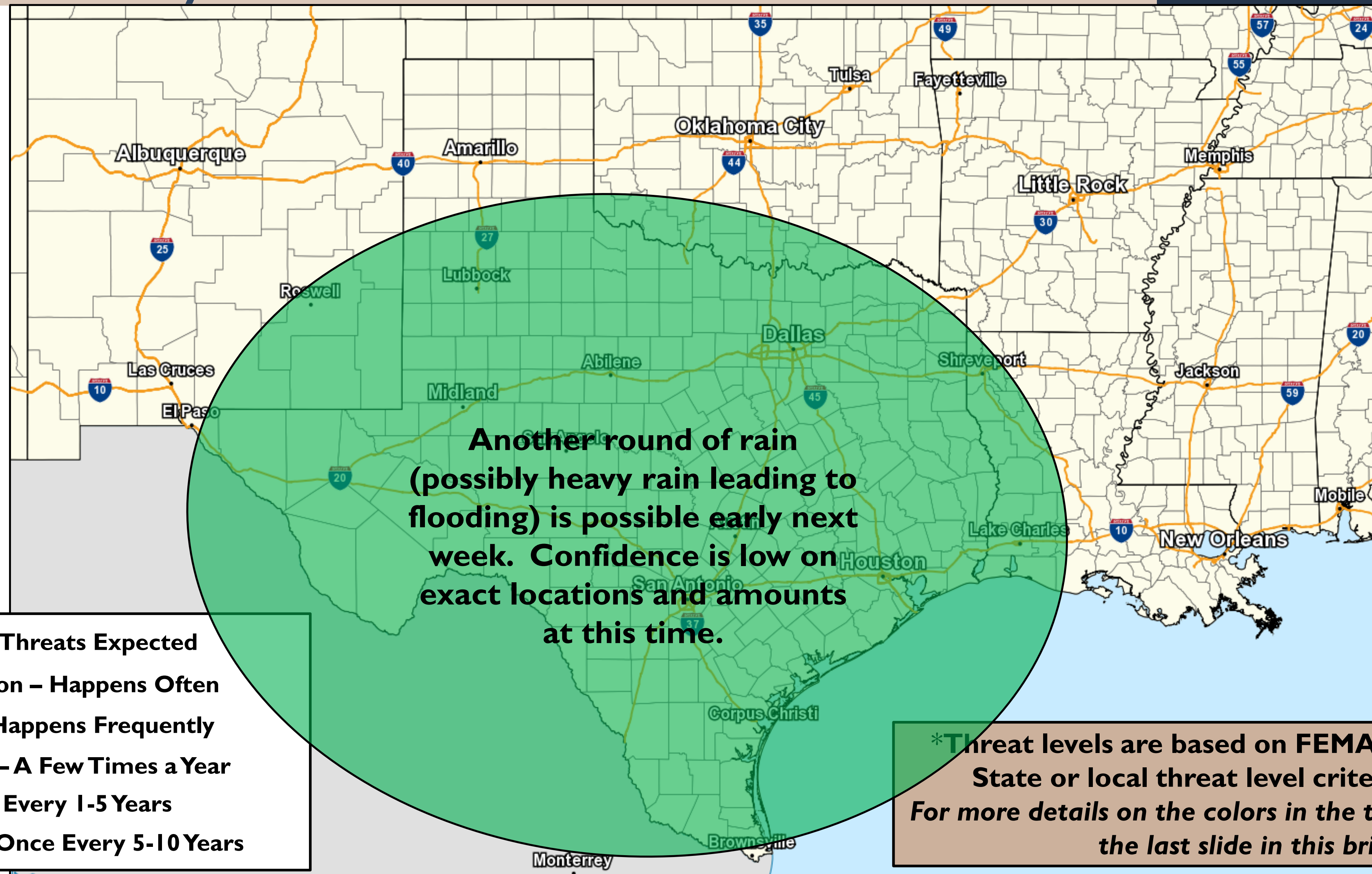
HIGH: > 50% SLGT: 10%-20%
MDT: 20%-50% MRGL: 5%-10%

Days 4-5 Weather Hazards

Monday - Tuesday



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- No Weather Threats Expected
- Very Common – Happens Often
- Common – Happens Frequently
- Uncommon – A Few Times a Year
- Rare – Once Every 1-5 Years
- Very Rare – Once Every 5-10 Years

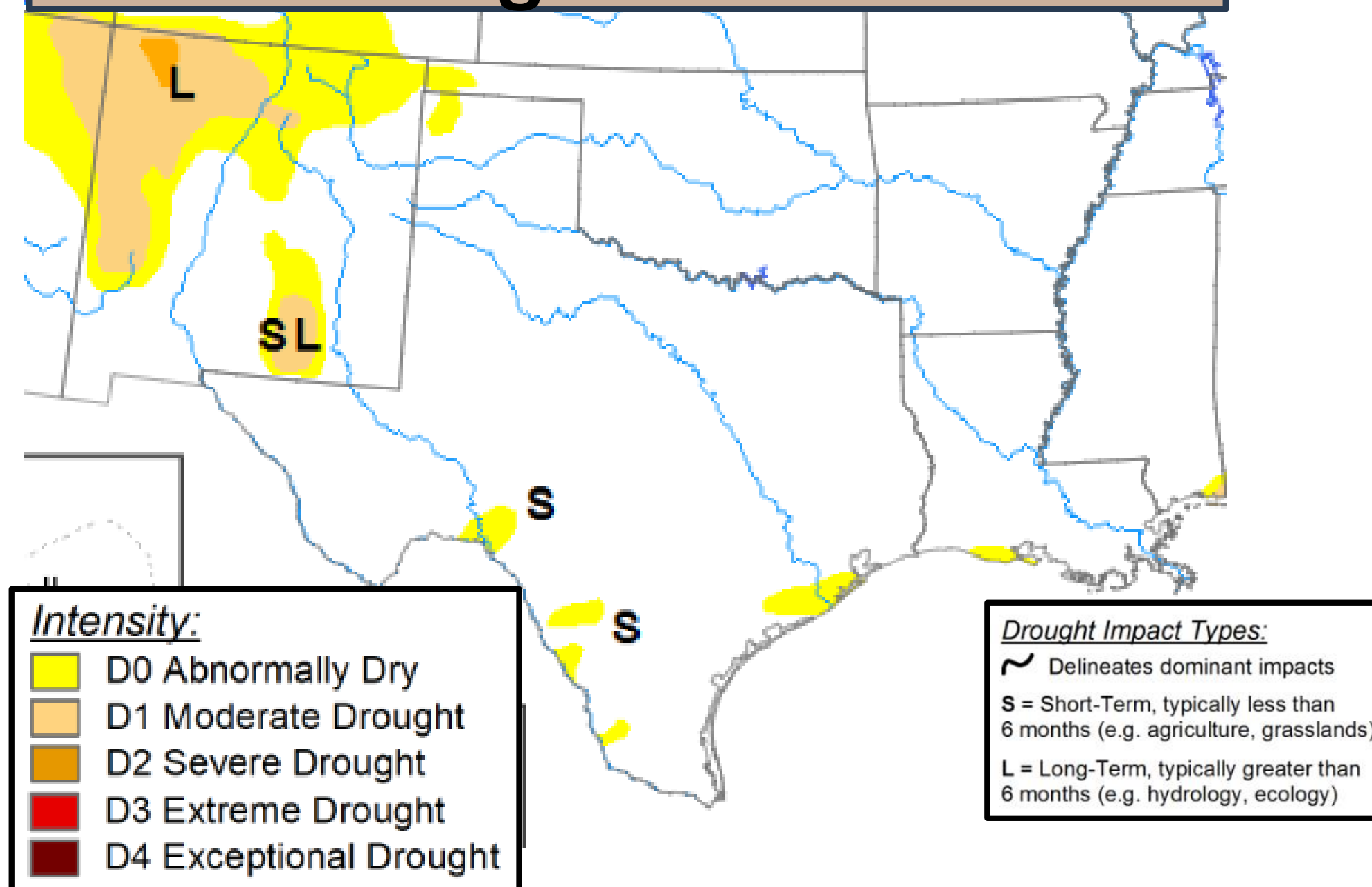
Drought Monitor (Released May 9, 2019)



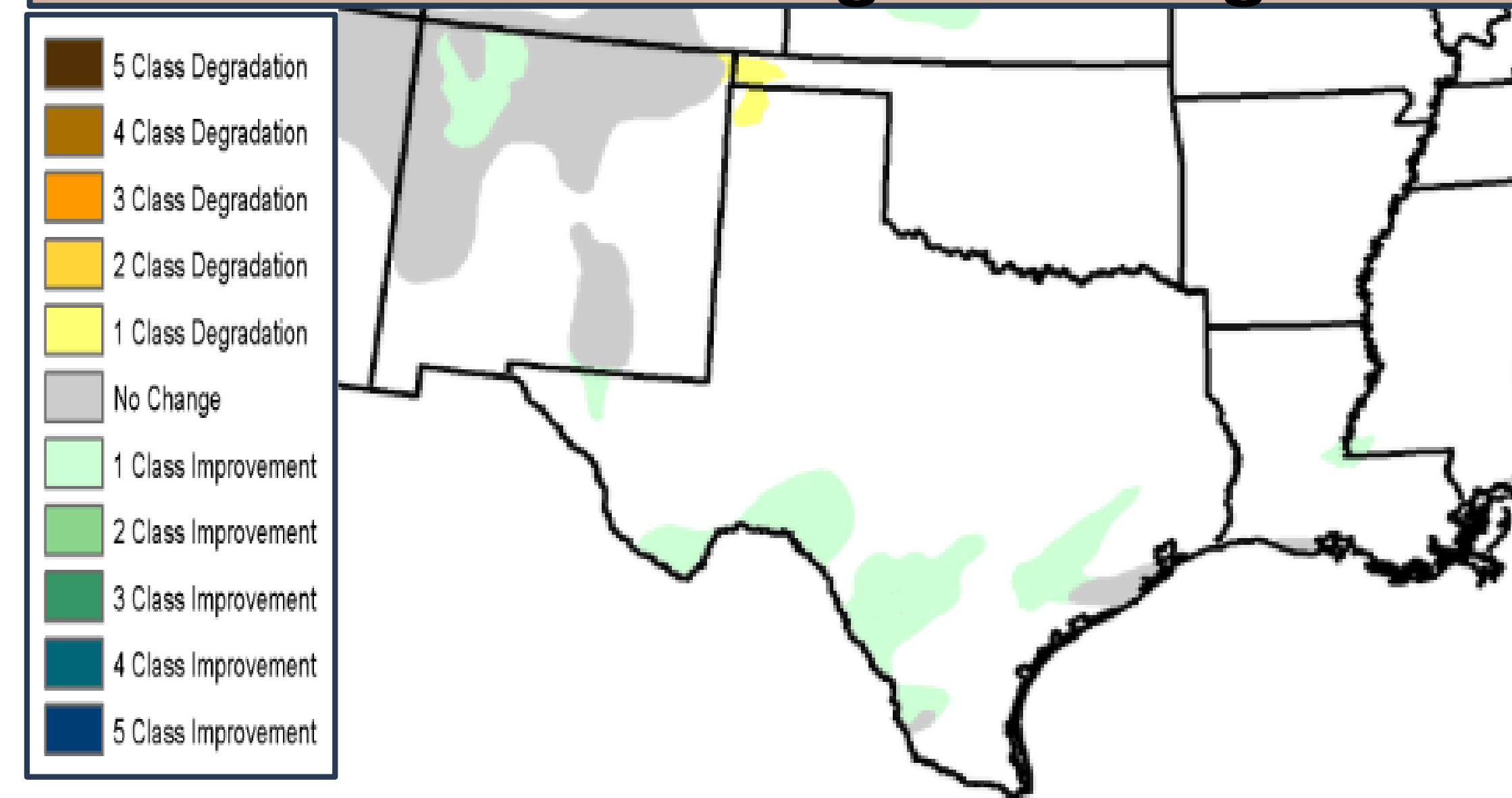
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Data valid as of 7am EST, Tuesday, May 7th, 2019

Drought Monitor



One Week Change in Drought



Drought Conditions (Percent Area) in D3-D4 (Extreme to Exceptional Drought)

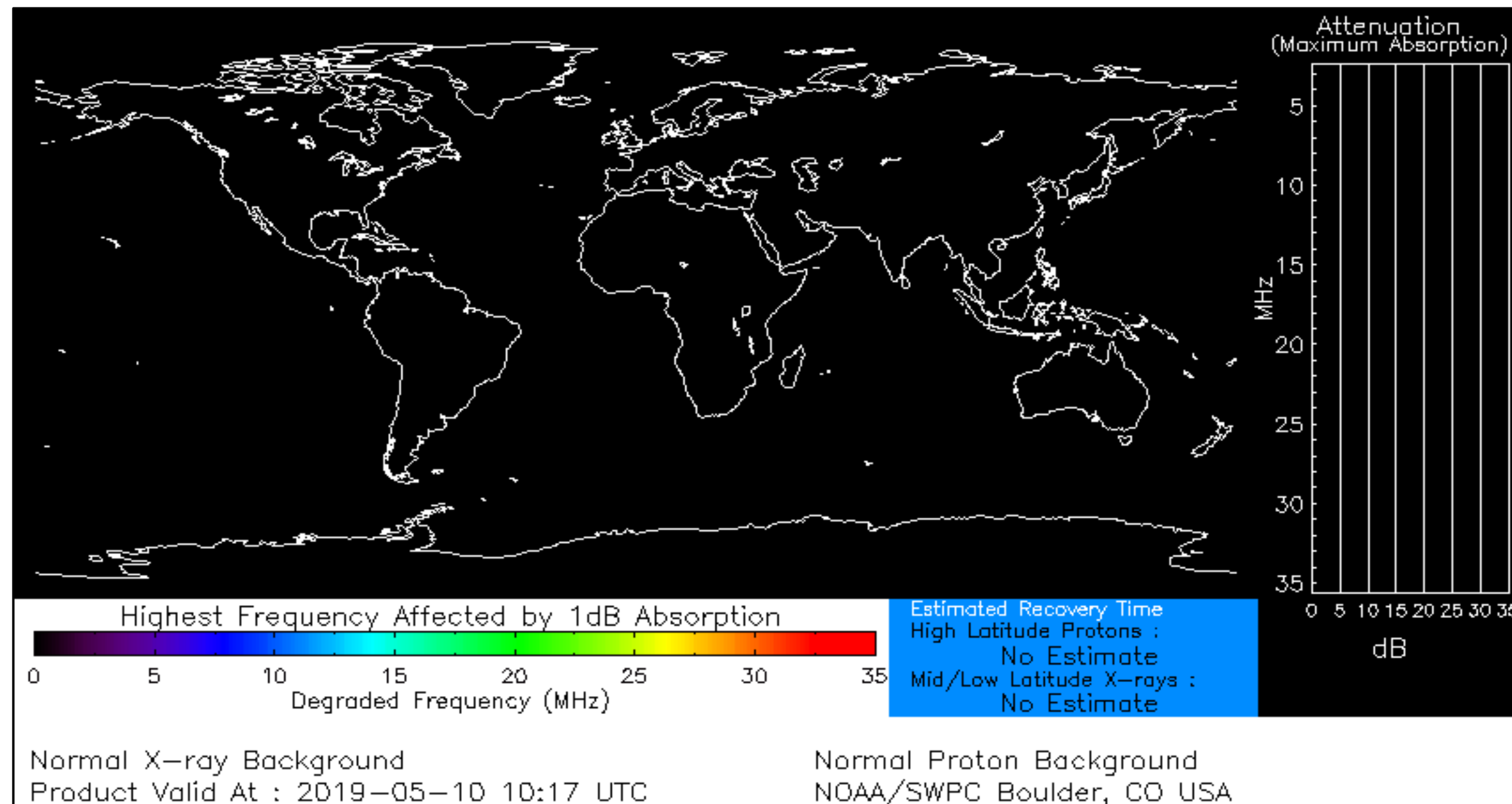
State	Current	Last Week	3 Months Ago	1 Year Ago
Arkansas	0.00%	0.00%	0.00%	0.00%
Louisiana	0.00%	0.00%	0.00%	0.00%
New Mexico	0.00%	0.00%	14.98%	55.38%
Oklahoma	0.00%	0.00%	0.00%	34.40%
Texas	0.00%	0.00%	0.00%	12.97%

Space Weather 3-Day Forecast



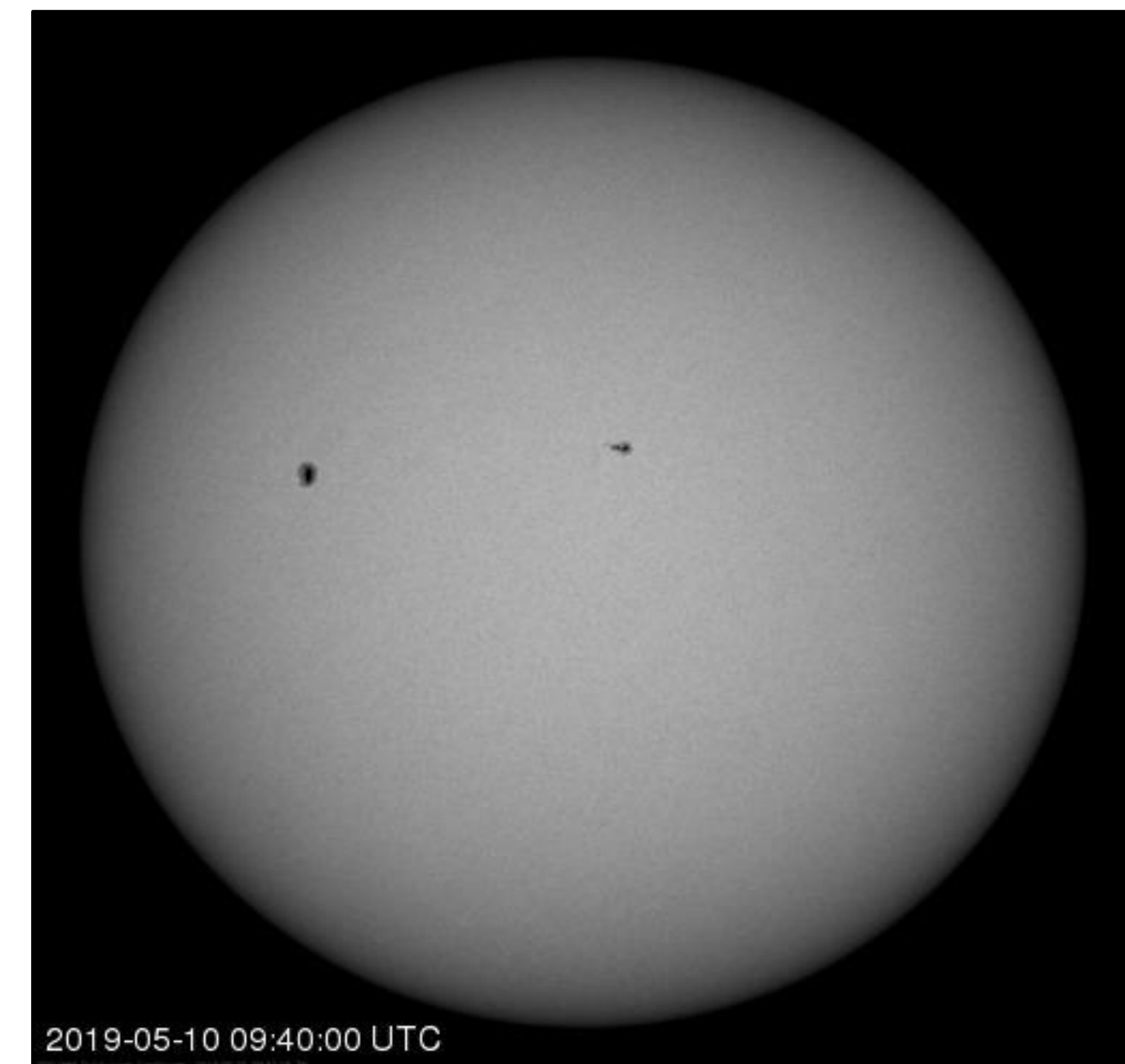
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	Friday	Saturday	Sunday
Geomagnetic Storms	Quiet (Max Kp = 2)	Quiet (Max Kp = 2)	Quiet (Max Kp = 4)
Solar Radiation Storm (S1-S5)	1%	1%	1%
Radio Blackout (R1-R2)	5%	1%	1%
Radio Blackout (R3-R5)	1%	1%	1%



[Click here for a Description of the Space Weather Storm Scales](#)

[Click here for the Latest 3-Day Space Weather Forecast Text](#)





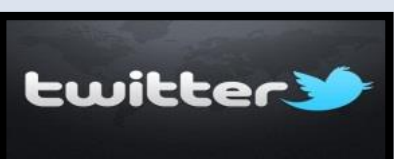
For more information, please contact:

National Weather Service
Southern Region Headquarters
Regional Operations Center
Fort Worth, TX

Phone: (682) 703-3747

E-mail: sr-srh.roc@noaa.gov

Web: <http://www.weather.gov/srh>



Weather “Threat” Matrix			
Color	Definition	Criteria	Example(s)
Green	Very Common Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Little Inconvenience to Daily Routines	Severe: Marginal Risk from SPC Flooding: Minor flooding expected over localized areas Tropical: None Fire Weather: No Watches/Warnings, fuel moisture above 10% or green up active	<ul style="list-style-type: none"> Thunderstorms expected over LA this afternoon; a few may produce winds to knock down a few trees Something that happens almost every day in a particular season such as <u>seabreeze</u> storms in coastal TX
Yellow	Somewhat Common – Happens Frequently Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Some Inconvenience to Daily Life	Severe: Slight Risk from SPC Flooding: Nuisance flooded expected for a widespread area, or Minor flooding expected over isolated areas Tropical: A weak tropical wave expected to move towards or near any coastline Fire Weather: Red Flag Watches/Warnings and/or SPC outlines enhanced or critical fire outlook	<ul style="list-style-type: none"> 2-3 inches of rainfall expected over central AR today and tonight; some minor (brief) street flooding possible Scattered severe storms possible, one or two tornadoes expected, along with reports of strong winds/wind damage and ~1” hail
Orange	Uncommon – A Few Times a Year Safety: Often Threatening to Life and Property, Some Damage Unavoidable Impact Potential: Typically Results in Minor Disruption to Daily Life	Severe: Enhanced Risk from SPC Flooding: Minor flooding expected over a widespread area (including urban locations), or Moderate flooding expected over isolated areas Tropical: A Tropical Storm expected to move towards or near any coastline Fire: Critical fire outlook for more than 2 consecutive days, Warnings for 2 or more consecutive days, D3-D4 drought conditions	<ul style="list-style-type: none"> A snow/sleet mix is expected to move through or near the DFW area tomorrow morning; travel impacts likely Numerous severe storms possible, a few tornadoes possible along with several reports of wind damage along with damaging hail Some large fires reported, burn bans advertised, critical conditions expected
Red	Rare – Once every 1-5 Years Safety: Extensive Property Damage Likely, Life Saving Actions Also will be Needed Impact Potential: Will likely result in Large Disruption to Daily Life	Severe: Moderate Risk from SPC Flooding: Moderate flooding expected over a widespread area (including urban locations) Tropical: A Hurricane expected to move towards or near any coastline Fire: Large areas of critical conditions for 2 or more days, Warnings for 3 or more days, Severe to extreme drought	<ul style="list-style-type: none"> A Category 1 hurricane will be moving towards the NW Gulf in the next few days Widespread severe storms likely, strong tornadoes, widespread wind damage, and destructive hail Large fires ongoing throughout the area with critical fire weather conditions expected to continue
Purple	Very Rare – Once Every 5-10 Years Safety: Property Damage Unavoidable, Immediate Action to Save Life will be Needed Impact Potential: Typically Results in Long-Lived Widespread Major Disruption to Daily Life	Severe: High Risk from SPC Flooding: Major flooding expected over a widespread area (including urban locations) Tropical: A Major Hurricane (Cat3 or greater) expected to move towards or near any coastline Fire: Large area of critical conditions for 2 or more days, Warnings for 3 or more days, Long term (months) of severe to extreme drought	<ul style="list-style-type: none"> A Category 4 hurricane is headed towards the SE LA; major storm surge, flooding and damaging winds anticipated to begin tomorrow Widespread severe storms expected, tornado outbreak probable with long-lived, very widespread and particularly intense storms

Criteria for the color codes in this briefing is to the left, please provide any feedback to

sr-srh.roc@noaa.gov